

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: December 30, 2005, 16:48:25 ; Search time 297 Seconds
(without alignments)
8983.569 Million cell updates/sec

Title: US-09-815-264-1
Perfect score: 1501
Sequence: 1 gtccgcgtgaaccacggyga.....tttgatgaagtaatccgc 1501

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 1303057 seqs, 888780828 residues

Total number of hits satisfying chosen parameters: 2606114

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents NA:*

1: /cgn2_6/ptodata/1/ina/1_COMB.seq:*
2: /cgn2_6/ptodata/1/ina/5_COMB.seq:*
3: /cgn2_6/ptodata/1/ina/6A_COMB.seq:*
4: /cgn2_6/ptodata/1/ina/6B_COMB.seq:*
5: /cgn2_6/ptodata/1/ina/H_COMB.seq:*
6: /cgn2_6/ptodata/1/ina/PCTUS_COMB.seq:*
7: /cgn2_6/ptodata/1/ina/PP_COMB.seq:*
8: /cgn2_6/ptodata/1/ina/RE_COMB.seq:*
9: /cgn2_6/ptodata/1/ina/backfile1.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	57.4	3.8	7218	2	US-08-232-463-14 Sequence 14, Appl
2	46.8	3.1	601	3	US-09-949-016-86857 Sequence 86857, A
3	46.8	3.1	247781	3	US-09-949-016-14193 Sequence 14193, A
4	46.2	3.1	50000	3	US-09-662-254B-25 Sequence 25, Appl
5	45.4	3.0	15252	3	US-09-949-016-13584 Sequence 13584, A
6	45	3.0	832	3	US-09-621-976-2813 Sequence 2813, Ap
7	44.8	3.0	4152	3	US-09-662-254B-9 Sequence 9, Appli
8	44.6	3.0	289	3	US-09-007-005-17 Sequence 17, Appl
9	44.6	3.0	289	3	US-09-244-796-17 Sequence 17, Appl
10	43.8	2.9	1759	3	US-09-807-258-13 Sequence 13, Appl
11	43.6	2.9	196	3	US-09-442-054A-42 Sequence 42, Appl
12	43.6	2.9	196	3	US-09-442-054A-42 Sequence 42, Appl
13	43.6	2.9	7218	2	US-08-232-463-14 Sequence 14, Appl
14	43.4	2.9	68580	3	US-09-949-016-15844 Sequence 15844, A
15	43.4	2.9	154746	3	US-09-827-688-8 Sequence 8, Appli
16	43.4	2.9	236474	3	US-09-949-016-13418 Sequence 13418, A
17	43	2.9	82612	3	US-09-949-016-16823 Sequence 16823, A
18	42.8	2.9	2109	3	US-09-370-838-153 Sequence 153, App
19	42.8	2.9	2109	3	US-09-854-133-153 Sequence 153, App
20	42.8	2.9	11181	3	US-09-949-016-16880 Sequence 16880, A
21	42.6	2.8	190078	3	US-09-949-016-12707 Sequence 12707, A
22	42.6	2.8	190078	3	US-09-949-016-17026 Sequence 17026, A
23	42.6	2.8	194937	3	US-09-949-016-17032 Sequence 17032, A
24	42.6	2.8	194937	3	US-09-949-016-17033 Sequence 17033, A

25	42.6	2.8	312957	3	US-09-949-001-31	Sequence 31, Appl
26	42.6	2.8	312972	3	US-09-949-001-34	Sequence 34, Appl
27	42.4	2.8	37875	3	US-09-949-016-13182	Sequence 13182, A
28	42.4	2.8	50000	3	US-09-662-254B-23	Sequence 23, Appl
29	42.4	2.8	141115	3	US-09-949-016-17490	Sequence 17490, A
30	42.2	2.8	1141	3	US-09-806-708B-22	Sequence 22, Appl
31	42.2	2.8	3510	3	US-09-265-585C-95	Sequence 95, Appl
32	42	2.8	1055	3	US-09-806-708B-23	Sequence 23, Appl
33	41.8	2.8	15271	3	US-09-949-016-17396	Sequence 17396, A
34	41.8	2.8	187595	3	US-09-949-016-15546	Sequence 15546, A
35	41.6	2.8	28129	3	US-09-949-016-17168	Sequence 17168, A
36	41.6	2.8	28129	3	US-09-949-016-17169	Sequence 17169, A
37	41.6	2.8	48536	3	US-09-949-016-11867	Sequence 11867, A
38	41.6	2.8	48536	3	US-09-949-016-17167	Sequence 17167, A
39	41.4	2.8	422592	3	US-09-949-016-14182	Sequence 14182, A
40	41.2	2.7	399	3	US-09-621-976-8976	Sequence 8976, Ap
41	41.2	2.7	101951	3	US-09-949-016-15648	Sequence 15648, A
42	41.2	2.7	264358	3	US-09-949-016-15725	Sequence 15725, A
43	41	2.7	18662	3	US-09-949-016-14655	Sequence 14655, A
44	40.8	2.7	11766	3	US-09-949-016-12531	Sequence 12531, A
45	40.8	2.7	11770	3	US-09-949-016-12720	Sequence 12720, A

ALIGNMENTS

RESULT 1
US-08-232-463-14
Sequence 14, Application US/08232463
Patent No. 5670367

GENERAL INFORMATION:
APPLICANT: DORNER, F.
APPLICANT: SCHEIFLINGER, F.
APPLICANT: FALKNER, F. G.
TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS
NUMBER OF SEQUENCES: 52
CORRESPONDENCE ADDRESS:
ADDRESSEE: Foley & Lardner
STREET: 1800 Diagonal Road, Suite 500
CITY: Alexandria
STATE: VA
COUNTRY: USA
ZIP: 22313-0299

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/232,463
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/935,313
FILING DATE:
APPLICATION NUMBER: EP 91 114 300.6
FILING DATE: 26-AUG-1991
ATTORNEY/AGENT INFORMATION:
NAME: BENT, Stephen A.
REGISTRATION NUMBER: 29,768
REFERENCE/DOCKET NUMBER: 30472/114 IMMU
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703)836-9300
TELEFAX: (703)683-4109
TELEX: 899149

INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 7218 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
CLONE: pTZgpt-Fls

Db 10512 AAAAAATATATTATGATATGTTAGAAATTTATTATTATTTGTTTTTACATTACT 10571
QY 280 GTCCCTTTTAAATAGAAATTTAAATGTTTGTATTATTATAGAAACCATCAGAAAA 339
Db 10572 ATATAGTTTAAAAAATAATATAATATGATATGATTGAATATAATAATAAAT 10631
QY 340 AAGAGAT 346
Db 10632 TAATAAT 10638

RESULT 5
US-09-949-016-13584
; Sequence 13584, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13584
; LENGTH: 15252
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-13584

Query Match 3.0%; Score 45.4; DB 3; Length 15252;
Best Local Similarity 67.4%; Pred. No. 0.78;
Matches 64; Conservative 0; Mismatches 31; Indels 0; Gaps 0;
QY 774 CGCTTACCTCATCCACTCGCTCCTCTCACTCCTCATCCATCCACTCGCATCCCTCC 833
Db 11572 CCTCCCATCTCTCTCCCTCTCTCTCCCTCTCTCCCTCTCTCTCTCTCTCTCTC 11631
QY 834 CCTCTGCCCTCTCCCGCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 868
Db 11632 CTCCTCGTCTTCTCCCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 11666

RESULT 6
US-09-621-976-2813/c
; Sequence 2813, Application US/09621976
; Patent No. 6639063
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Jobert, S.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.
; FILE REFERENCE: GENSET.054PR2
; CURRENT APPLICATION NUMBER: US/09/621,976
; CURRENT FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 19335
; SOFTWARE: Patent.pm
; SEQ ID NO 2813
; LENGTH: 832
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 235..399
US-09-621-976-2813

Query Match 3.0%; Score 45; DB 3; Length 832;

Best Local Similarity 14.1%; Pred. No. 0.28;
Matches 53; Conservative 164; Mismatches 154; Indels 4; Gaps 1;
QY 223 AGAAAAATATGACCGATGTGGTGACACATGTTTCGTCTTTTATTATATAGATCACTGTC 282
Db 395 ACAAGAAATTGTACCAATAATAATATTATTTTGTCTTCTTCTTCTTCTTCTTCTTCTT 336
QY 283 CTTTAAATTTAGAAATTTAAATGTTTGTATTATTATTATAGAAACCATCAGAAAAAAG 342
Db 335 RRMYYWWSSTVYACASRYRYTWGWWYWMKRMSTRWYCYMCKCMYRGRCAWYTMAR 276
QY 343 AGATCGAAGGAAAGCAAGCAAGCAGCCGCTCAGGGTGGGTGCTTTTGT 402
Db 275 GRMWSYAMGKMSRMSMSMCTRYKKGSTYWTMKTCTCATWCYWKYWKRMWSKTWS 216
QY 403 GGTAGATCTTTGTCC---TTCGTGATTAGAAATTTAGATGTTTATTCCACTACT 458
Db 215 GSRGGYMTSTSTRSYMTWASWMTYTCWWSGRWWSYWMWAMGKWRVATWRRAMW 156
QY 459 AAAAAAACCATATAGGAGCCGCTTTATAGTGCCCGGTTTCATTTAAACGACACTA 518
Db 155 WWAATWMTWYMWAMWCMSSRGAAYRRTMMWGYRYWWRKSYRRTRCAYAMWKTORSY 96
QY 519 TAGGCTTTTCCAACCTAGCTTCGACTATGAATTAATAAAGATCAACCTTAAAGC 578
Db 95 YMCWRWKWKRCMMWMMAMAYGKTMMWRCWKTRYWRAWAMWMMWMTMMYYWYWR 36
QY 579 ATTATAAGTACAGT 593
Db 35 MKRRWMMWRKMSWSW 21

RESULT 7
US-09-662-254B-9
; Sequence 9, Application US/09662254B
; Patent No. 6933145
; GENERAL INFORMATION:
; APPLICANT: Moyer, Richard W.
; APPLICANT: Li, Yi
; APPLICANT: Bawden, Alison Louise
; TITLE OF INVENTION: Materials and Methods for Delivery and Expression of Heterologous
; TITLE OF INVENTION: Vertebrate Cells
; FILE REFERENCE: UF-221C1XCI
; CURRENT APPLICATION NUMBER: US/09/662,254B
; CURRENT FILING DATE: 2000-09-14
; PRIOR APPLICATION NUMBER: 09/086,651
; PRIOR FILING DATE: 1998-05-29
; PRIOR APPLICATION NUMBER: 60/224,479
; PRIOR FILING DATE: 2000-08-10
; NUMBER OF SEQ ID NOS: 80
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 9
; LENGTH: 4152
; TYPE: DNA
; ORGANISM: Amsacta moorei entomopoxvirus
US-09-662-254B-9

Query Match 3.0%; Score 44.8; DB 3; Length 4152;
Best Local Similarity 53.4%; Pred. No. 0.62;
Matches 94; Conservative 0; Mismatches 82; Indels 0; Gaps 0;
QY 171 ATATTTAAATATGTAAGATTAAGATAAAGAAAAATGGGATCATGATGAAGAAAAATA 230
Db 5 ATTTTAATATTTAAATGATTTATTATGAAATATTAATTAATAAAGAAAAAATATA 64
QY 231 TGACCGATGTGTGAGACATGTTTGTCTTTTATTATATAGATCACTGCTTTTATA 290
Db 65 TTTATGATATGTTAGAAATATTATTATTATTGTTTGTCTTTTACATTACTATATAGTTT 124
QY 291 ATTGAATTTAAATGTTTGTATTATTATATAGAAACCATCAAGAAAAAGAGAT 346
Db 125 AAAAAAATATAAATATATGATATGATTTGAATATAATAAATAAATAATAAT 180

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RESULT 8
US-09-007-005-17/c
; Sequence 17, Application US/09007005B
; Patent No. 6258558
; GENERAL INFORMATION:
; APPLICANT: Szostak, Jack W.
; APPLICANT: Roberts, Richard W.
; APPLICANT: Liu, Rihe
; TITLE OF INVENTION: SELECTION OF PROTEINS USING RNA-PROTEIN
; TITLE OF INVENTION: FUSIONS
; FILE REFERENCE: 00786/350003
; CURRENT APPLICATION NUMBER: US/09/007,005B
; CURRENT FILING DATE: 1998-01-14
; EARLIER APPLICATION NUMBER: 60/035,963
; EARLIER FILING DATE: 1997-01-27
; EARLIER APPLICATION NUMBER: 60/064,491
; EARLIER FILING DATE: 1997-11-06
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: FastSeq for windows Version 4.0
; SEQ ID NO 17
; LENGTH: 289
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Translation template
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(289)
; OTHER INFORMATION: n = A,T,C or G
US-09-007-005-17

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[illegible]

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RESULT 9
US-09-244-796-17/c
; Sequence 17, Application US/09244796
; Patent No. 6281344
; GENERAL INFORMATION:
; APPLICANT: Szostak, Jack W.
; APPLICANT: Roberts, Richard W.
; APPLICANT: Liu, Rihe
; TITLE OF INVENTION: SELECTION OF PROTEINS USING RNA-PROTEININ
; TITLE OF INVENTION: FUSIONS
; FILE REFERENCE: 00786/350007
; CURRENT APPLICATION NUMBER: US/09/244, 796
; CURRENT FILING DATE: 1999-02-05
; EARLIER APPLICATION NUMBER: 60/035, 963
; EARLIER FILING DATE: 1997-01-27
; EARLIER APPLICATION NUMBER: 60/064, 491
; EARLIER FILING DATE: 1997-11-06
; EARLIER APPLICATION NUMBER: 09/007, 005
; EARLIER FILING DATE: 1998-01-14
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 17
; LENGTH: 289
; TYPE: RNA
;

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; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Translation template
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1) .. (289)
; OTHER INFORMATION: n = A,T,C or G
;
US-09-244-796-17

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Query Match	3.0%	Score 44.6;	DB 3;	Length 289;
Best Local Similarity	5.4%;	Pred. No. 0.22;		
Matches	8;	Conservative	79;	Mismatches 61;
				Indels 0;
				Gaps 0;

OY	734	ACCGGTCGACGTCCTTATCCACTGCATCTCTGTATGGTGCGTCTTACCTCATCCACTCG	793
Db	236	AICYGYCYAYGCTTYGGSYNNNYSYNNYSYNNYSYNNYSYNNYSYNNYSYNNY	177
OY	794	CTCCTCTCACTCCTCACTCCATCCATCGCATCCCCCTCCCCTCTCGCCCTTCGCCGCT	853
Db	176	SYNNYSYNNYSYNNYSYNNYSYNNYSYNNYSYNNYSYNNYSYNNYSYNNYSYNNY	117
OY	854	CCTCCTCCTTCTCCTGGCAGCGATGCCG	881
Db	116	SYNNYSYNNYSYNNYSYNNYSYNNYSYNNY	89

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RESULT 10
US-09-807-258-13
; Sequence 13, Application US/09807258
; Patent No. 6670166
; GENERAL INFORMATION:
; APPLICANT: E. I. du Pont de Nemours and Company
; TITLE OF INVENTION: Arthropod Protein Disulfide Isomerases
; FILE REFERENCE: BB-1253 PCT
; CURRENT APPLICATION NUMBER: US/09/807,258
; CURRENT FILING DATE: 2001-06-11
; PRIOR APPLICATION NUMBER: 60/104,376
; PRIOR FILING DATE: 1998-10-15
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: Microsoft Office 97
; SEQ ID NO 13
; LENGTH: 1759
; TYPE: DNA
; ORGANISM: Scolopendra canidens DS
US-09-807-258-13

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Query Match	2.9%	Score 43.8;	DB 3;	Length 1759;
Best Local Similarity	51.8%;	Pred. No. 0.77;		
Matches 99; Conservative	0;	Mismatches 92;	Indels 0;	Gaps 0;

QY 155 TCTCTAACACTACAAATATTTTAAATATGTAAGATAAAGATAAGAAAAATTGGATC 214
|| |||| | | ||| | | ||| | ||| | |||
Db 1563 TCAGTAAAGCACAAATTTTATTTTAAAGGAATAAAATGTA AAAATCAATATGATTA 1622
|| |||| | | ||| | | ||| | ||| | |||
QY 215 ATGATGAAGAAAAATATGACCGATGTGTGAGACATGTTTCGCTTTTATTATATAGA 274
|| |||| | | |||| | |||| | |||| | ||||
Db 1623 ATTTAAATTTAGAGTGTCTTATGTTGTGTGACGTAATGCTTATTTCTTTGTATGAT 1682
|| |||| | | |||| | |||| | |||| | ||||
QY 275 TCACTGTCCTTTTAAATTAGAAATTTAAATGTTGTTATTTTATAGAAACCATCAAG 334
| |||| | |||| | |||| | |||| | |||| | ||||
Db 1683 AAAATGTTGAAAAATTAAATTCGAAATAAAATTTTTTTTAAATAAATTAGTTTTTACAAAAAGA 1742
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QY 335 AAAAAAAGAGA 345
|| |||| | | |||| | |||| | |||| | ||||
Db 1743 AAAAAAAAAA 1753

RESULT 11
US-09-442-054A-42
; Sequence 42, Application US/09442054A
; Patent NO. 6770738
; GENERAL INFORMATION:
; APPLICANT: Ecker, David J.

APPLICANT: Buchardt, Ole
APPLICANT: Egholm, Michael
APPLICANT: Berg, Rolf H.
APPLICANT: Mollegaard, Neils E.
TITLE OF INVENTION: Higher Order Structure And Binding Of Peptide Nucleic Acids
FILE REFERENCE: ISIS4290
CURRENT APPLICATION NUMBER: US/09/442,054A
CURRENT FILING DATE: 2002-05-07
PRIOR APPLICATION NUMBER: 08/471,907
PRIOR FILING DATE: 1995-06-07
PRIOR APPLICATION NUMBER: 08/054,363
PRIOR FILING DATE: 1993-04-26
PRIOR APPLICATION NUMBER: PCT/ EP92/01219
PRIOR FILING DATE: 1992-05-19
NUMBER OF SEQ ID NOS: 89
SOFTWARE: PatentIn version 3.1
SEQ ID NO 42
LENGTH: 196
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: No. 6770738e1 Sequence
US-09-442-054A-42

Query Match 2.9%; Score 43.6; DB 3; Length 196;
Best Local Similarity 54.3%; Pred. No. 0.33;
Matches 88; Conservative 0; Mismatches 74; Indels 0; Gaps 0;

QY 160 AACACTACAATATTTTAAATATGTAAGATAAGATAAGAAAAATTGGATCATGAT 219
DB 9 AA 68
QY 220 GAAGAAATATGACCGATGTGTGAGACATGTTTCGCTTTTATATAGATCACT 279
DB 69 AA 128
QY 280 GTCTTTTAAATTTAGAAATTTAAATTTGTTGTTTATAT 321
DB 129 TTTT TTTT TTTT TTTT TTTT TTTT TTTT TTTT TTTT TTTT TTTT 170

RESULT 12
US-09-442-054A-42/c
Sequence 42, Application US/09442054A
Patent No. 6770738
GENERAL INFORMATION:
APPLICANT: Ecker, David J.
APPLICANT: Buchardt, Ole
APPLICANT: Egholm, Michael
APPLICANT: Berg, Rolf H.
APPLICANT: Mollegaard, Neils E.
TITLE OF INVENTION: Higher Order Structure And Binding Of Peptide Nucleic Acids
FILE REFERENCE: ISIS4290
CURRENT APPLICATION NUMBER: US/09/442,054A
CURRENT FILING DATE: 2002-05-07
PRIOR APPLICATION NUMBER: 08/471,907
PRIOR FILING DATE: 1995-06-07
PRIOR APPLICATION NUMBER: 08/054,363
PRIOR FILING DATE: 1993-04-26
PRIOR APPLICATION NUMBER: PCT/ EP92/01219
PRIOR FILING DATE: 1992-05-19
NUMBER OF SEQ ID NOS: 89
SOFTWARE: PatentIn version 3.1
SEQ ID NO 42
LENGTH: 196
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: No. 6770738e1 Sequence
US-09-442-054A-42

Query Match 2.9%; Score 43.6; DB 3; Length 196;
Best Local Similarity 54.3%; Pred. No. 0.33;

Matches 88; Conservative 0; Mismatches 74; Indels 0; Gaps 0;
QY 160 AACACTACAATATTTTAAATATGTAAGATAAGATAAGAAAAATTGGATCATGAT 219
DB 188 AA 129
QY 220 GAAGAAATATGACCGATGTGTGAGACATGTTTCGCTTTTATATAGATCACT 279
DB 128 AA 69
QY 280 GTCTTTTAAATTTAGAAATTTAAATTTGTTGTTTATAT 321
DB 68 TTTT TTTT TTTT TTTT TTTT TTTT TTTT TTTT TTTT TTTT TTTT 27

RESULT 13
US-08-232-463-14/c
Sequence 14, Application US/08232463
Patent No. 5670367
GENERAL INFORMATION:
APPLICANT: DORNER, F.
APPLICANT: SCHEIFLINGER, F.
APPLICANT: FALKNER, F. G.
TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS
NUMBER OF SEQUENCES: 52
CORRESPONDENCE ADDRESS:
ADDRESSEE: Foley & Lardner
STREET: 1800 Diagonal Road, Suite 500
CITY: Alexandria
STATE: VA
COUNTRY: USA
ZIP: 22313-0299
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/232,463
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/935,313
FILING DATE:
APPLICATION NUMBER: EP 91 114 300.6
FILING DATE: 26-AUG-1991
ATTORNEY/AGENT INFORMATION:
NAME: BENT, Stephen A.
REGISTRATION NUMBER: 29,768
REFERENCE/DOCKET NUMBER: 30472/114 IMMU
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 836-9300
TELEFAX: (703) 683-4109
TELEX: 899149
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 7218 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
CLONE: PTZgpt-F1s
US-08-232-463-14

Query Match 2.9%; Score 43.6; DB 2; Length 7218;
Best Local Similarity 6.0%; Pred. No. 1.6;
Matches 25; Conservative 21; Mismatches 180; Indels 0; Gaps 0;
QY 9 TAACCAAGGATTAATTCACCAAGTGATCGGACTGAGAAATGTAGCCCGTTAT 68
DB 1458 TAAAGAGATAGAAAGATTGGTACRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1399
QY 69 GGTGACGGGGCGGAGTGTGAATTTATACCAATGGGGACGGGACGTGATGTGAC 128

[illegible]

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RESULT 14
US-09-949-016-15844
; Sequence 15844, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949, 016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241, 755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237, 768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231, 498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 15844
; LENGTH: 68580
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-15844

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[illegible]

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RESULT 15
US-09-827-688-8
; Sequence 8, Application US/09827688
; Patent No. 6821955
; GENERAL INFORMATION:
; APPLICANT: ORSON, FRANK
; APPLICANT: KINSEY, BERMA
; APPLICANT: BHOOGAL, BALBIR
; TITLE OF INVENTION: MACROAGGREGATED PROTEIN CONJUGATES AS ORAL GENETIC IMMUNIZATION D
; TITLE OF INVENTION: AGENTS
; FILE REFERENCE: P01949US1/10004014

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; CURRENT APPLICATION NUMBER: US/09/827,688
; CURRENT FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: 60/195,680
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 8
; LENGTH: 154746
; TYPE: DNA
; ORGANISM: HERPESVIRUS 2
US-09-827-688-8

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[illegible]

Search completed: December 30, 2005, 19:55:26
Job time : 302 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2005 CompuGen Ltd.

OM nucleic - nucleic search, using BW model

Run on: December 30, 2005, 15:02:34 ; Search time 1329 Seconds
(without alignments)
9339.606 Million cell updates/sec

Title:	US-09-815-264-1
Perfect score:	1501
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Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 9793542 seqs, 4134689005 residues

Total number of hits satisfying chosen parameters: 19587084

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Minimum DB seq length: 0
Maximum DB seq length: 20000000000
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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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3: /cgn2_6/ptodata/1/pubpna/US09A_PUBCOMB.seq:*
4: /cgn2_6/ptodata/1/pubpna/US09B_PUBCOMB.seq:*
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7: /cgn2_6/ptodata/1/pubpna/US10C_PUBCOMB.seq:*
8: /cgn2_6/ptodata/1/pubpna/US10D_PUBCOMB.seq:*
9: /cgn2_6/ptodata/1/pubpna/US10E_PUBCOMB.seq:*
10: /cgn2_6/ptodata/1/pubpna/US11_PUBCOMB.seq:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB	ID	Description
C 1	129.2	8.6	2223	7	US-10-437-963-6739	Sequence 6739, App
C 2	106.2	7.1	32548	7	US-10-459-262A-5	Sequence 5, Appli
C 3	106.2	7.1	69300	7	US-10-415-058-6	Sequence 6, Appli
C 4	105	7.0	462	7	US-10-437-963-29590	Sequence 29590, A
C 5	104.6	7.0	369	7	US-10-437-963-71836	Sequence 71836, A
C 6	90.2	6.0	415	7	US-10-437-963-47539	Sequence 47539, A
7	87.2	5.8	363	7	US-10-437-963-74449	Sequence 74449, A
8	85.6	5.7	99090	8	US-10-656-394A-13	Sequence 13, Appli
9	82.8	5.5	8416	2	US-08-910-386A-4	Sequence 4, Appli
C 10	74.6	5.0	624	7	US-10-437-963-58070	Sequence 58070, A
C 11	72.4	4.8	524	7	US-10-437-963-91356	Sequence 91356, A
12	71	4.7	421	7	US-10-437-963-33088	Sequence 33088, A
13	68.8	4.6	2000	7	US-10-260-238-1694	Sequence 1694, App
C 14	68.2	4.5	365	7	US-10-437-963-62540	Sequence 62540, A
15	63	4.2	1965	7	US-10-437-963-13893	Sequence 13893, A
16	62.4	4.2	1320	7	US-10-437-963-64389	Sequence 64389, A
C 17	61.8	4.1	1462	7	US-10-437-963-17780	Sequence 17780, A
C 18	61.6	4.1	342	7	US-10-437-963-83837	Sequence 83837, A
C 19	59.4	4.0	2000	7	US-10-260-238-2192	Sequence 2192, App
C 20	57	3.8	908	7	US-10-437-963-18295	Sequence 18295, A
C 21	55.4	3.7	333	7	US-10-437-963-95933	Sequence 95933, A
22	55	3.7	2253	7	US-10-437-963-26525	Sequence 26525, A
23	53.6	3.6	480	7	US-10-437-963-59319	Sequence 59319, A

24	52.6	3.5	231	7	US-10-437-963-15691	Sequence 15691, A
25	52.6	3.5	276	8	US-10-425-115-73886	Sequence 73886, A
26	52.2	3.5	1136	7	US-10-437-963-42268	Sequence 42268, A
27	52	3.5	288	7	US-10-437-963-2697	Sequence 2697, Ap
28	52	3.5	32548	7	US-10-459-262A-5	Sequence 5, Appli
29	52	3.5	69300	7	US-10-415-058-6	Sequence 6, Appli
30	51.8	3.5	203	7	US-10-437-963-34694	Sequence 34694, A
31	51.2	3.4	665	8	US-10-425-115-56996	Sequence 56996, A
32	51	3.4	393	7	US-10-437-963-43950	Sequence 43950, A
33	51	3.4	946	7	US-10-437-963-56365	Sequence 56365, A
34	51	3.4	2000	7	US-10-260-238-1607	Sequence 1607, Ap
35	50.6	3.4	430	8	US-10-425-115-162104	Sequence 162104, A
36	50.4	3.4	615	7	US-10-437-963-31611	Sequence 31611, A
37	50.4	3.4	1513	7	US-10-437-963-29924	Sequence 29924, A
38	50.4	3.4	3789	8	US-10-723-860-6201	Sequence 6201, Ap
39	49.8	3.3	3673778	6	US-10-312-841-1	Sequence 1, Appli
40	49.4	3.3	461	3	US-09-814-353-17724	Sequence 17724, A
41	49.2	3.3	393	7	US-10-437-963-67168	Sequence 67168, A
42	49.2	3.3	423	3	US-09-918-995-7147	Sequence 7147, Ap
43	49	3.3	514	7	US-10-424-599-104895	Sequence 104895, A
44	48.4	3.2	20311	8	US-10-719-993-7068	Sequence 7068, Ap
45	47.8	3.2	1337	9	US-10-779-543-5579	Sequence 5579, Ap

ALIGNMENTS

RESULT 1
US-10-437-963-6739/c

; Sequence 6739, Application US/10437963
; Publication No. US20040123343A1

OTHER INFORMATION: CLONE ID: PAT_MRT4530_133C.1
US-10-437-963-6739

[illegible]

QY 1020 CAGTGTGAGAGTCCCTTCTCATTTGCAGCGCGGTGCCCCCTTCTTGAG 1073
Db 197 CAGCGCGCGCGCCCTTCTCTTGACGCGCAGCAGCCCTTCTTCCGCGAG 144

RESULT 2

US-10-459-262A-5/c
; Sequence 5, Application US/10459262A
; Publication No. US20040083501A1
; GENERAL INFORMATION:
; APPLICANT: Leong, Sally A.
; APPLICANT: Chauhan, Rajinder S.
; APPLICANT: Durfee, Timothy J.
; APPLICANT: Farman, Mark L.
; TITLE OF INVENTION: Plant Genes That Confer Resistance to Strains of
; TITLE OF INVENTION: Magnaporthe Grisea Having AVR1 C039 Cultivar
; TITLE OF INVENTION: Specificity Gene
; FILE REFERENCE: 0141.03
; CURRENT APPLICATION NUMBER: US/10/459,262A
; CURRENT FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: 10/415,058
; PRIOR FILING DATE: 2003-04-11
; PRIOR APPLICATION NUMBER: PCT/US01/46331
; PRIOR FILING DATE: 2001-10-19
; PRIOR APPLICATION NUMBER: PCT WO 02/34927
; PRIOR FILING DATE: 2002-05-02
; PRIOR APPLICATION NUMBER: 60/242,313
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/303,897
; PRIOR FILING DATE: 2001-07-09
; NUMBER OF SEQ ID NOS: 72
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 5
; LENGTH: 32548
; TYPE: DNA
; ORGANISM: Magnaporthe grisea
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)..(32548)
; OTHER INFORMATION: Continuation of Sequence ID 1, representing bases
; US-10-459-262A-5

Query Match 7.1%; Score 106.2; DB 7; Length 32548;
Best Local Similarity 58.0%; Pred. No. 8.6e-15;
Matches 271; Conservative 0; Mismatches 178; Indels 18; Gaps 4;

QY 460 AAAAAAAAAACCATATAGGGACCGGCTTATAGGTGCGGTTCAATTAACCGACACCTAT 519
Db 28488 ACAAACCCACCATAGGACCGGCTTATAGGTGCGGTTCAATTAACCGACACCTAT 28429
QY 520 AGGCTTTTCCAACCTAGCTTCGACATGAATAAATAAGAAATCGACACCTTTAAGCA 579
Db 28428 GACCTTTTCCAC---CTCCACACGATGAAAAAAGTAGAATCGACACCTTTAAACA 28373
QY 580 TTATAAGTACCACTTCTCAAGAAAAACCGATACAATATATAGAGTGCAGTCTTAGCAC 639
Db 28372 CTA---TAGCGGTTCTATTAACCAACCATATAGTGTGCGGTTTGT 28317
QY 640 AAAAAACCGTACAATAATATAGGTGCGGCT---TTTTTAAGAAAGACCGACACCTATA 695
Db 28316 TAGAACCGACACCTATATATATAGTGTGCGGTTCTTAACCAACCGACACATATA 28257
QY 696 ATATAAATATAGGTGCGGCTTCTACTTAGAAAAACCGACCGGTCGACGTCCTTATCCAC 755
Db 28256 GTAGAGGTGCGGTTTTTAATAGAACCGGCACTTTGAAAAAACCGAGCCTAGCCGAC 28197
QY 756 TCGCATCTCTTGATCGGTGCGTCTACCTCATCACTGCTCTCTCACTCTCACTCCAT 815
Db 28196 TAACCGAGCCACCGTCTTATCTACTCTCGCATCCCTCTCTCTCCCTCCCTCTCTCTC 28137
QY 816 CCACTCGATCCCTCTCCCTCTGCGCCTCTCCGCGCT-----CTCTCTCTCTCTCTG 869

Db 28136 TCACTCGCGTCACTCCCTCTCTCTCTCGCTCGATTTGAGCGCGGCGCTCCCGCG 28077
QY 870 GCAGCCATGCGCTGACAGCGCGCAGCATCGCAAGAGGACGCGCAG 916
Db 28076 CCGCGGTTGCTTGGCGGAGGTGCGCAGCACTGTGGGTGCGCGCG 28030

RESULT 3

US-10-415-058-6/c
; Sequence 6, Application US/10415058
; Publication No. US2004006081A1
; GENERAL INFORMATION:
; APPLICANT: Wisconsin Alumni Research Foundation
; APPLICANT: United States Department Of Agriculture
; APPLICANT: Leong, Sally A.
; APPLICANT: Farman, Mark L.
; APPLICANT: Chauhan, Rajinder
; APPLICANT: Durfee, Timothy J.
; TITLE OF INVENTION: Plant Gene That Confers Resistance To Strains Of Magnaporthe Gria
; TITLE OF INVENTION: Having AVR C039 Cultivar Specificity Gene
; FILE REFERENCE: Warf-0145
; CURRENT APPLICATION NUMBER: US/10/415,058
; CURRENT FILING DATE: 2003-04-11
; PRIOR APPLICATION NUMBER: USSN 60/242,313
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: USSN 60/303,897
; PRIOR FILING DATE: 2001-07-09
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: Patent In version 3.1
; SEQ ID NO 6
; LENGTH: 69300
; TYPE: DNA
; ORGANISM: Oryza sativa
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (26297)..(26395)
; OTHER INFORMATION: N is any nucleotide
; US-10-415-058-6

Query Match 7.1%; Score 106.2; DB 7; Length 69300;
Best Local Similarity 58.0%; Pred. No. 1.3e-14;
Matches 271; Conservative 0; Mismatches 178; Indels 18; Gaps 4;

QY 460 AAAAAACCATATAGGACCGGCTTATAGGTGCGGTTCAATTAACCGACACCTAT 519
Db 65239 ACAAACCCACCATAGGACCGGCTTATAGGTGCGGTTCAATTAACCGACACCTAT 65180
QY 520 AGGCTTTTCCAACCTAGCTTCGACATGAATAAATAAGAAATCGACACCTTTAAGCA 579
Db 65179 GACCTTTTCCAC---CTCCACACGATGAAAAAAGTAGAATCGACACCTTTAAACA 65124
QY 580 TTATAAGTACCACTTCTCAAGAAAAACCGATACAATATATAGTGCAGTCTTAGCAC 639
Db 65123 CTA---TAGCGGTTCTATTAACCAACCATATATAGTGTGCGGTTTGT 65068
QY 640 AAAAAACCGTACAATAATATAGGTGCGGCT---TTTTTAAGAAAGACCGACACCTATA 695
Db 65067 TAGAACCGACACCTATATATATAGTGTGCGGTTCTTAACCAACCGACACATATA 65008
QY 696 ATATAAATATAGGTGCGGCTTCTACTTAGAAAAACCGACCGGTCGACGTCCTTATCCAC 755
Db 65007 GTAGAGGTGCGGTTTTTAATAGAACCGGCACTTTGAAAAAACCGAGCCTAGCCGAC 64948
QY 756 TCGCATCTCTTGATCGGTGCGTCTACCTCATCACTGCTCTCTCACTCTCACTCCAT 815
Db 64947 TAACCGAGCCACCGTCTTATCTACTCTCGCATCCCTCTCTCTCCCTCTCTCTC 64888
QY 816 CCACTCGATCCCTCTCCCTCTGCGCCTCTCCGCGCT-----CTCTCTCTCTCTCTG 869
Db 64887 TCACTCGCGTCACTCCCTCTCTCTCTGCTGCTGATTTGAGGCGGCGGCTCCCGCG 64828
QY 870 GCAGCATGCGCTGACAGCGGCAAGCATCGCAAGAGGACGCGCAG 916

Db 64827 CCGCGGTGCTGGCGGAGGTGGACCACTTGTGGTGCGCGG 64781

RESULT 4

US-10-437-963-29590/c
; Sequence 29590, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 29590
; LENGTH: 462
; TYPE: DNA
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_34077C.1
US-10-437-963-29590

Query Match 7.0%; Score 105; DB 7; Length 462;
Best Local Similarity 100.0%; Pred. No. 1.7e-15;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTCCGCTGTACACGCGGATTAATTCACACGCTGTGATCGGACTGAGAAATGTAGC 60
Db 105 GTCCGCTGTACACGCGGATTAATTCACACGCTGTGATCGGACTGAGAAATGTAGC 46
QY 61 CCCGTTATGTTGACGCGGCGGATGTGAAATTTTATCACCAT 105
Db 45 CCCGTTATGTTGACGCGGCGGATGTGAAATTTTATCACCAT 1

RESULT 5

US-10-437-963-71836/c
; Sequence 71836, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 71836
; LENGTH: 369
; TYPE: DNA
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_72271C.1
US-10-437-963-71836

Query Match 7.0%; Score 104.6; DB 7; Length 369;
Best Local Similarity 86.8%; Pred. No. 1.9e-15;

Matches 138; Conservative 0; Mismatches 19; Indels 2; Gaps 2;

QY 4 CGCTGTACCAACGGGATTAATTCACCACTGTGATCGGACTGAG-AAATGTAGCCC 62
Db 209 CGGGTAAACACGGGAAAAAATTCACCGCGGTGATCGGGTGTGAATAATAGCCC 150
QY 63 CGTTATGTTGAC-GGGCGGGGATGTAATTTTATCACCAATGGGACGGGACGTGG 121
Db 149 CGTCGTGATTGACGGGGCGGGACGGTGAATTTTATCACCGTGTGACGGGACGGG 90
QY 122 ATGTACCCCTGACCGGTGAATTCCTCCCTTGCATCTCTA 160
Db 89 GTGTACCCCGACCGGTGAATTCACCGTTGCCATCTCTA 51

RESULT 6

US-10-437-963-47539
; Sequence 47539, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 47539
; LENGTH: 415
; TYPE: DNA
; ORGANISM: Oryza sativa
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(415)
; OTHER INFORMATION: unsure at all n locations
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_50298C.1
US-10-437-963-47539

Query Match 6.0%; Score 90.2; DB 7; Length 415;
Best Local Similarity 75.0%; Pred. No. 8e-12;
Matches 138; Conservative 0; Mismatches 44; Indels 2; Gaps 2;

QY 4 CGCTGTACCAACGGGATTAATTCACCACTGTGATCGGACTGAG-AAATGTAGCCC 62
Db 48 CGGGTCAACACGGGAAAAAATTCACCGCGGTGATCGGGTGTGAATAATAGCCNC 107
QY 63 CGTTATGTTGACGGGCGGGATGTAATTTTATCACCAATGGGACGGGACGTGA 122
Db 108 CGTAGTGTGATGACGGGGGTGGGACGGTGAATTTTATCACCGCGGTGACGGGACGGG 167
QY 123 TGTGACCCCTGACCGGTGAATTCCTCCCTTGCATCTCTAACAATAATTTTAAATA 182
Db 168 TGTGACCCCGCA-GGTGAATTCATCATTCCTCTAATTGCAAGGTATCCTGTTAAAT 226
QY 183 TGTA 186
Db 227 TATA 230

RESULT 7

US-10-437-963-74449
; Sequence 74449, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.

APPLICANT: Kovalic, David K.
APPLICANT: Zhou, Yihua
APPLICANT: Cao, Yongwei
APPLICANT: Wu, Wei
APPLICANT: Boukharov, Andrey A.
APPLICANT: Barbazuk, Brad
APPLICANT: Li, Ping
TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
FILE REFERENCE: 38-21(53221)B
CURRENT APPLICATION NUMBER: US/10/437,963
CURRENT FILING DATE: 2003-05-14
NUMBER OF SEQ ID NOS: 204966
SEQ ID NO 74449
LENGTH: 363
TYPE: DNA
ORGANISM: Oryza sativa
FEATURE:
OTHER INFORMATION: Clone ID: PAT_MRT4530_74634C.1
US-10-437-963-74449

Query Match 5.8%; Score 87.2; DB 7; Length 363;
Best Local Similarity 83.1%; Pred. No. 4.2e-11;
Matches 123; Conservative 0; Mismatches 23; Indels 2; Gaps 2;

OY 16 GGGATAAATTCACCACTGGTGCAG-AAATGTAGCCCGTTATGTTGA 74
DB 122 GGGCAAAAGTTCACCGCGTGTGATCAGGGCTGTGAATAATATAGCCGCTGTTGA 181
OY 75 C-GGGCGGGGATGTGAATTTTATCACCATGGGACGGGACGTGATGACCCCTG 133
DB 182 CGGGGCGAGGACGGTGAATTTTATCACCAAGGTGACGGGACGGAGATGACCCCG 241

OY 134 ACGGTGAATCCCCGTGCCATCTCTAA 161
DB 242 ACGGTGAATTACTGTGCCATCTCTAA 269

RESULT 8
US-10-656-394A-13/C
Sequence 13, Application US/10656394A
Publication No. US20040210957A1
GENERAL INFORMATION:
APPLICANT: Wang et al.
TITLE OF INVENTION: Cloning and Characterization of the
TITLE OF INVENTION: broad-spectrum resistance gene Pl2
FILE REFERENCE: 035718/252062
CURRENT APPLICATION NUMBER: US/10/656,394A
CURRENT FILING DATE: 2003-09-05
NUMBER OF SEQ ID NOS: 16
SOFTWARE: FastSeq for windows Version 4.0
SEQ ID NO 13
LENGTH: 99090
TYPE: DNA
ORGANISM: Oryza minuta
FEATURE:
NAME/KEY: misc feature
LOCATION: 23216
OTHER INFORMATION: n = A,T,C or G
US-10-656-394A-13

Query Match 5.7%; Score 85.6; DB 8; Length 99090;
Best Local Similarity 82.4%; Pred. No. 2.1e-09;
Matches 122; Conservative 0; Mismatches 24; Indels 2; Gaps 2;

OY 16 GGGATAAATTCACCACTGGTGCAG-AAATGTAGCCCGTTATGTTGA 74
DB 25478 GGGCAAAAGTTCACCGCGTGTGATCAGGGCTGTGAATAATATAGCCGCTGTTGA 25419
OY 75 C-GGGCGGGGATGTGAATTTTATCACCATGGGACGGGACGTGATGACCCCTG 133
DB 25418 CGGGGCGAGGACGGTGAATTTTATCACCTCGGTGACGGGACGGAGATGACCCCG 25359

OY 134 ACGGTGAATCCCCGTGCCATCTCTAA 161
DB 25358 ACAGTGAATTAAGTTGCCATCTCTAA 25331

RESULT 9
US-08-910-386A-4
Sequence 4, Application US/08910386A
Publication No. US20020092041A1
GENERAL INFORMATION:
APPLICANT: Ronald, Pamela C.
APPLICANT: Wang, Guo-Liang
APPLICANT: Song, Wen-Yuang
APPLICANT: Hulbert, Scot
APPLICANT: Richter, Todd
TITLE OF INVENTION: Procedures and Materials for Confering
TITLE OF INVENTION: Disease Resistance in Plants
NUMBER OF SEQUENCES: 53
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/910,386A
FILING DATE: 13-AUG-1997
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Bastian, Kevin L.
REGISTRATION NUMBER: 34,774
REFERENCE/DOCKET NUMBER: 023070-058950US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 8416 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
ORIGINAL SOURCE:
ORGANISM: Oryza longistaminata
STRAIN: IRBB21
POSITION IN GENOME:
CHROMOSOME/SEGMENT: 11
MAP POSITION: 11q, RG103
FEATURE:
NAME/KEY: CDS
LOCATION: join(4771..7384, 7676..8052)
OTHER INFORMATION: /product= "receptor kinase-like protein"
OTHER INFORMATION: /note= "Xa21 gene family member A1"
FEATURE:
NAME/KEY: misc feature
LOCATION: 7432..7614
OTHER INFORMATION: /note= "Snap-O11, transposon-like"
OTHER INFORMATION: element"
US-08-910-386A-4

Query Match 5.5%; Score 82.8; DB 2; Length 8416;
Best Local Similarity 61.2%; Pred. No. 2.8e-09;
Matches 240; Conservative 0; Mismatches 137; Indels 15; Gaps 6;

OY 335 AAAAAAGATCGAAGGGAAGCAAGCAAGCGCAGCGTGGGTGTTGT 394
DB 1300 AATCACAGAGTAGAGAGATCGCTACGATCTACTGTGCAAGATCAGGTGTAGCGCTA 1359

```
OY 395 CTTTGGGTAGATCTTTGCTCTGTGATTAGGAATTGATTATT--TCC 452
      |||||
Db 1360 TTCTCGATCACTGAAGAAGAACTTTAGGTGTGAGAGATCGCTACTATCTACTGTCA 1419
OY 453 ACTACTAAAAAAACCCATATAGGGACCGGTCTTAGGTGCCGTTCAATTAAACCGA 512
      |||||
Db 1420 ATACTAGTAAAAAAACCTCATAGAGATCGGCACTATAGTGCCTGAAACGCTAAACCGG 1479
OY 513 CACCTATAGGCTTTTCCAACTAGCTTCGCACTATGAATAAAAATAGAATCGACACCT 572
      |||||
Db 1480 CACCTATATATCTTTCCCTCCTCCGTGACTCAAGCACGTA-----AACCGACACCT 1534
OY 573 TTAAGC-ATTATAGTACCGAGTTCTCAAGAAAAACCGATACAATATATAGTGCAGT 631
      |||||
Db 1535 TTAAGCAACTATAGGTGCCGGTTCTAAAGAAACCGACACCTATAGTATAGGTGCTGCT 1594
OY 632 TCTAGCACAACCAACCGGTAC-----AAATATATAGGTGCCGGTTTAAAAAGAACCG 686
      |||||
Db 1595 TTTTAAAAAAACCGACACCTTATATATATAGGTGTCGTTCTTTAA-AAACCG 1653
OY 687 ACACCTATATATATATAGTGCCTTCT 718
      |||||
Db 1654 ACACCAATATAA-ATTATACGTGCGTTT 1684
```

RESULT 10

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US-10-437-963-58070/c
; Sequence 58070, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated with
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 58070
; LENGTH: 624
; TYPE: DNA
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_59821C.1
US-10-437-963-58070
```

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Query Match 5.0%; Score 74.6; DB 7; Length 624;
Best Local Similarity 83.7%; Pred. No. 7.7e-08;
Matches 108; Conservative 0; Mismatches 19; Indels 2; Gaps 2;
```

```
OY 4 CGCTGAACCAACGGGATTAATTCACCACTGTGATCGGAGCTGGAG-AAATGTAGCCC 62
      |||||
Db 305 CGGATTAACCGCGGATTAATTCACCACTAGGATCAGGCGCGGAGAAAATATAGCCC 246
OY 63 CGTATGTTGAC-GGGGCGGGATGTTGAATTTTATCAATGAGGAGCGGGAGCGTGG 121
      |||||
Db 245 CGTCGTGTTGACGGGCGGGGCGGTAATACTTATCAACGAGGACGAAGACGCTGG 186
OY 122 ATGTGACCC 130
      |||||
Db 185 ATGTGACCC 177
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RESULT 11

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US-10-437-963-91356/c
; Sequence 91356, Application US/10437963
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```
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated with
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 91356
; LENGTH: 524
; TYPE: DNA
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_8993C.1
US-10-437-963-91356
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Query Match 4.8%; Score 72.4; DB 7; Length 524;
Best Local Similarity 63.7%; Pred. No. 2.5e-07;
Matches 144; Conservative 0; Mismatches 76; Indels 6; Gaps 2;
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OY 461 AAAAAACCATATAGGGACCGGCTTTATAGGTGCCGGTTCATTTAAACCGACACTATA 520
      |||||
Db 479 AAAAAACCTCATAGGGGTGCTCTTATGGGTGTCGGTTCAATTAATCCGACACTATA 420
OY 521 GGCTTTTCCAACCTAGCTTCGCACCTATGAATAAATAAAGATCGACACCTTTAGCAT 580
      |||||
Db 419 GGCAATTTGCACCTCGCATGATGAATAATTAAGAACCGTCACCTTTAATTAATTAAT 360
OY 581 TATAAGTACCAAG-TTCTCAAGAAAAACCGATTAACAATATATAGTGCAGTTCT----- 634
      |||||
Db 359 TAAAGTGCCGGTTATTTGTTAAACCGGTACCAATACTATATATGATGTTGTTTAA 300
OY 635 AGCACAACCAACCGGTACAATATATATAGTGCCTTTTAAAA 680
      |||||
Db 299 AGAAGTACCACTATTAATATATATACAGGTGCTGTTCTTTAAACA 254
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RESULT 12

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US-10-437-963-33088
; Sequence 33088, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated with
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 33088
; LENGTH: 421
; TYPE: DNA
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_37234C.1
US-10-437-963-33088
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Query Match 4.7%; Score 71; DB 7; Length 421;
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Db	1605	CGGAAATTCACCGCGTGTGATCGGGCTGATGAAATGTAGCCCGTCGTGTGAC	1664
Oy	76	-GGGCGGGATGTGAATTTTATCACCATGGGACGGGACGTGATGTG	126
Db	1665	AGGGCGGGGACAGTGAATTTTATCACCGCGTGTACGGGATGTGAGGTG	1716

Search completed: December 30, 2005, 19:45:53
Job time : 1335 secs

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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: December 30, 2005, 14:42:14 ; Search time 258 Seconds
(without alignments)
3049.872 Million cell updates/sec

Title: US-09-815-264-1
Perfect score: 1501
Sequence: 1 gtccgctgtaaccacgaggga.....tttgatgaagatccgc 1501

Scoring table: IDENTITY NUC
Gapop 10_0 , Gapext 1.0

Searched: 4172979 seqs, 262114271 residues

Total number of hits satisfying chosen parameters: 8345958

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications_NA_New:*
1: /cgn2_6/ptodata/1/pubpna/US08_NEW_PUB.seq:*
2: /cgn2_6/ptodata/1/pubpna/US06_NEW_PUB.seq:*
3: /cgn2_6/ptodata/1/pubpna/US07_NEW_PUB.seq:*
4: /cgn2_6/ptodata/1/pubpna/PCT_NEW_PUB.seq:*
5: /cgn2_6/ptodata/1/pubpna/US09_NEW_PUB.seq:*
6: /cgn2_6/ptodata/1/pubpna/US10_NEW_PUB.seq:*
7: /cgn2_6/ptodata/1/pubpna/US11_NEW_PUB.seq:*
8: /cgn2_6/ptodata/1/pubpna/US11_NEW_PUB.seq2:*
9: /cgn2_6/ptodata/1/pubpna/US11_NEW_PUB.seq3:*
10: /cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result NO	Score	Query Match	length	DB	ID	Description
1	44.4	3.0	19233	6	US-10-240-708-46	Sequence 46, Appl
2	44	2.9	103660	6	US-10-995-561-13253	Sequence 13253, A
3	43.4	2.9	6306	6	US-10-240-708-49	Sequence 49, Appl
4	42.8	2.9	2581	6	US-10-750-185-27903	Sequence 27903, A
5	42.8	2.9	176503	7	US-11-121-086-53	Sequence 53, Appl
6	42.8	2.9	217623	7	US-11-112-908-33	Sequence 33, Appl
7	42.6	2.8	25458	6	US-10-995-561-13390	Sequence 13390, A
8	42.6	2.8	189252	7	US-11-121-086-54	Sequence 54, Appl
9	42.6	2.8	321019	6	US-10-995-561-13204	Sequence 13204, A
10	42	2.8	6113	6	US-10-240-708-13	Sequence 13, Appl
11	42	2.8	175023	7	US-11-121-086-18	Sequence 18, Appl
12	41.2	2.7	167116	7	US-11-121-086-44	Sequence 44, Appl
13	41	2.7	126552	7	US-11-121-086-1	Sequence 1, Appli
14	41	2.7	191684	7	US-11-121-086-2	Sequence 2, Appli
15	40.8	2.7	1608	6	US-10-750-185-36944	Sequence 36944, A
16	40.8	2.7	4982	6	US-10-276-233A-17	Sequence 17, Appl
17	40.8	2.7	168516	7	US-11-121-086-3	Sequence 3, Appli
18	40.4	2.7	70513	6	US-10-995-561-13368	Sequence 13368, A
19	40.4	2.7	153376	7	US-11-121-086-5	Sequence 5, Appli
20	40.4	2.7	172543	7	US-11-121-086-6	Sequence 6, Appli
21	40	2.7	139054	7	US-11-121-086-96	Sequence 96, Appl
22	40	2.7	1080000	6	US-10-928-446A-1	Sequence 1, Appli
23	40	2.7	1080000	6	US-10-928-446A-181	Sequence 181, App

24	40	2.7	1080000	6	US-10-928-446A-183	Sequence 183, App
25	40	2.7	1080000	6	US-10-928-446A-185	Sequence 185, App
26	40	2.7	1080000	6	US-10-928-446A-187	Sequence 187, App
27	40	2.7	1080000	6	US-10-928-446A-189	Sequence 189, App
28	40	2.7	1080000	6	US-10-928-446A-191	Sequence 191, App
29	40	2.7	1080000	6	US-10-928-446A-193	Sequence 193, App
30	40	2.7	1080000	6	US-10-928-446A-195	Sequence 195, App
31	40	2.7	1080000	6	US-10-928-446A-197	Sequence 197, App
32	40	2.7	1080000	6	US-10-928-446A-199	Sequence 199, App
33	40	2.7	1080000	6	US-10-928-446A-201	Sequence 201, App
34	40	2.7	1082144	7	US-11-117-187-211	Sequence 211, App
35	39.6	2.6	187745	7	US-11-121-086-83	Sequence 83, Appl
36	39.4	2.6	6866	6	US-10-240-708-19	Sequence 19, Appl
37	39.4	2.6	103931	7	US-11-117-187-193	Sequence 193, Appl
38	39.4	2.6	191684	7	US-11-121-086-2	Sequence 2, Appli
39	39.4	2.6	317876	6	US-10-995-561-13227	Sequence 13227, A
40	39.2	2.6	6866	6	US-10-240-708-20	Sequence 20, Appl
41	39.2	2.6	154548	7	US-11-121-086-33	Sequence 33, Appl
42	39	2.6	37907	6	US-10-995-561-13504	Sequence 13504, A
43	38.8	2.6	137935	6	US-10-995-561-13278	Sequence 13278, A
44	38.6	2.6	126552	7	US-11-121-086-1	Sequence 1, Appli
45	38.6	2.6	172147	7	US-11-112-908-22	Sequence 22, Appl

ALIGNMENTS

RESULT 1
US-10-240-708-46
; Sequence 46, Application US/10240708
; Publication No. US20050282157A1
; GENERAL INFORMATION:
; APPLICANT: OLEK, Alexander
; APPLICANT: PIEPENBROCK, Christian
; APPLICANT: BERLIN, Kurt
; TITLE OF INVENTION: Diagnosis of Diseases Associated with DNA Replication
; FILE REFERENCE: 5013.1012
; CURRENT APPLICATION NUMBER: US/10/240,708
; CURRENT FILING DATE: 2002-10-03
; PRIOR APPLICATION NUMBER: PCT/EP01/03971
; PRIOR FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: DE 10019058.8
; PRIOR FILING DATE: 2000-04-06
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: DE 10032529.7
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: DE 10043826.1
; PRIOR FILING DATE: 2000-09-01
; NUMBER OF SEQ ID NOS: 98
; SEQ ID NO 46
; LENGTH: 19233
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
; NAME/KEY: unsure
; LOCATION: (34, 69, 288, 298, 685, 736, 1046, 1083, 1091, 1104, 1336)
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1578, 1581, 1584, 2017, 2228, 2668, 5066, 5388, 5447, 5469..5470)
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (5670, 6253, 6894, 7184, 7301, 7531, 7874, 8068, 8111, 8878)
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (9069, 9075, 9084, 9159, 9229, 9355, 9367, 9416, 9419, 9517)
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (9534, 10598, 10602, 11159, 11175, 11204, 11358, 11578, 12206)
; FEATURE:

[illegible]

Query Match	3.0%;	Score 44.4;	DB 6;	Length 19233;
Best Local Similarity	55.6%;	Pred. No. 0.55;		
Matches 84;	Conservative 0;	Mismatches 67;	Indels 0;	Gaps 0;

QY	175	TTTAATATGTAAAGATAAAGATAAAGAAAAATTGGGATCATGATGAGAAAGAAAAATATGAC	234
DB	16491	TTTTAAAAAAAAAAAAAAAAAANGAAAAAAAAATGTAGAAATTTGAATAGCGTTGTTTTTTT	16550
QY	235	CGATGTGTGAGACATGTTTCGCTTTTTTTTATATATAGATCACGTCCTTTTTAATTA	294
DB	16551	TGTTTGGTTTTTAATATATATATATTTTTTTTATTTATTTATATATATAATAATTTATTTA	16610
QY	295	GAAATTTAAATGTTTGTATTATTATAGAA	325
DB	16611	TATAGTATATATATTTTTTTGATTTTTTTAGAA	16641

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RESULT 2
US-10-995-561-13253
; Sequence 13253, Application US/10995561
; Publication No. US20050272054A1
;
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; TITLE OF INVENTION: DETECTION AND USES THEREOF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13253
; LENGTH: 103660
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(103660)
; OTHER INFORMATION: n = A,T,C or G, or insertion/deletion polymorphism (see Tables 1-
US-10-995-561-13253

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Query Match	2.9%;	Score 44;	DB 6;	Length 103660;
Best Local Similarity	54.3%;	Pred. No. 2.1;		
Matches	89;	Conservative	0;	Mismatches 75;
				Indels 0;
				Gaps 0;

Qy	159	TAAACACTACAAATATTTTAAATATGTGTAAGATTAAGATTAAGAAAAATTGGATCATGA	218
Db	72335	TATGTTTCT	72394
Qy	219	TGAAAGAAATATGACCGATGTGTGAGACATGTTTCGCTTTTATTATATAGATCAC	278
Db	72395	TTGTGTATATATATATATTTTATATATATTTTATATATTTTATTTTATTTTATATATAT	72454
Qy	279	TGTCCTTTTAAATTAGAAATTTAAATTGTTGTTATTATTATA	322
Db	72455	TTATATATATATATTTTATATATTATATATTTATATATATTTTATA	72498

RESULT 3
US-10-240-708-49

```

; GENERAL INFORMATION:
; APPLICANT: OLEK, Alexander
; APPLICANT: PIEPENBROCK, Christian
; APPLICANT: BERLIN, Kurt
; TITLE OF INVENTION: Diagnosis of Diseases Associated with DNA Replication
; TITLE OF INVENTION: by Assessing DNA Methylation
; FILE REFERENCE: 5013.1012
; CURRENT APPLICATION NUMBER: US/10/240,708
; CURRENT FILING DATE: 2002-10-03
; PRIOR APPLICATION NUMBER: PCT/EP01/03971
; PRIOR FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: DE 10019058.8
; PRIOR FILING DATE: 2000-04-06
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: DE 10032529.7
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: DE 10043826.1
; PRIOR FILING DATE: 2000-09-01
; NUMBER OF SEQ ID NOS: 98
; SEQ ID NO 49
; LENGTH: 6306
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-240-708-49

```

Query Match	2.9%	Score 43.4;	DB 6;	Length 6306;
Best Local Similarity	50.7%;	Pred. No. 0.49;		
Matches 104; Conservative	0;	Mismatches 101;	Indels 0;	Gaps 0;

[illegible]

```

RESULT 4
US-10-750-185-27903
; Sequence 27903, Application US/10750185
; Publication No. US20050260603A1
; GENERAL INFORMATION:
; APPLICANT: MMI GENOMICS, INC.
; APPLICANT: DENISE, Sue K.

```



```

; APPLICANT: KERR, Richard
; APPLICANT: ROSENFELD, David
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
; APPLICANT: FANTIN, Dennis
; TITLE OF INVENTION: COMPOSITIONS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: NM1100-2
; CURRENT APPLICATION NUMBER: US/10/750,185
; CURRENT FILING DATE: 2003-12-31
; PRIOR APPLICATION NUMBER: US 60/437,482
; PRIOR FILING DATE: 2002-12-31
; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 27903
; LENGTH: 2581
; TYPE: DNA
; ORGANISM: Bovine 19866880501204
US-10-750-185-27903
```

```

Query Match          2.9%; Score 42.8; DB 6; Length 2581;
Best Local Similarity 53.3%; Pred. No. 0.4;
Matches 112; Conservative 0; Mismatches 97; Indels 1; Gaps 1;
```

```

QY 131 CTGACGGTGAATCCCGTGGCATCTCTAAACACTACAATATTTAAATATGTAAGA 190
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 2177 CTGTAGAAGAAGAACAGTAGTGAATTAAGATTAAGATTTGCCAGATGAGAGTG- 2235

QY 191 TAAAGATAAGAAAAATTGGGATCATGATGAAGAAAAATATGACCGATGTGGAGACAT 250
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 2236 TCTAATGCACACATGGGAAAAATAGGGAATGATTAAGATTTCCAAATAGATAGATGA 2295

QY 251 GTTTTCGCTTTTATATATAGATCACTGTCCTTTTAAATTAGAAATTTAAATTGTTT 310
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 2296 CTATTTCTTTTATTTTATTTTGTGCTTTTCAGTAAATTTTAAATTAAATTATTTT 2355

QY 311 GTTTATTTATAGAAACCATCAAGAAAAA 340
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 2356 ATTTTATAGTTAAATTAACCAAGAAGA 2385
```

```

RESULT 5
US-11-121-086-53
; Sequence 53, Application US/11121086
; Publication No. US20050266459A1
; GENERAL INFORMATION:
; APPLICANT: POULSEN, TIM S.
; APPLICANT: NIELSEN, KIRSTEN V.
; TITLE OF INVENTION: NUCLEIC ACID PROBES AND NUCLEIC ACID ANALOG PROBES
; FILE REFERENCE: 09138.6000-00000
; CURRENT APPLICATION NUMBER: US/11/121,086
; CURRENT FILING DATE: 2005-05-04
; PRIOR APPLICATION NUMBER: 60/567,570
; PRIOR FILING DATE: 2004-05-04
; NUMBER OF SEQ ID NOS: 107
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 53
; LENGTH: 176503
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-121-086-53
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```

Query Match          2.9%; Score 42.8; DB 7; Length 176503;
Best Local Similarity 57.5%; Pred. No. 6.1;
Matches 77; Conservative 0; Mismatches 57; Indels 0; Gaps 0;
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```

QY 731 CCGACGGTGCAGCTCTTAATCCATCGCATCTCTTGATCGGTGCTCTACCTCATCCAC 790
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 112875 CCTCCCTTCTCTTCCCTCTCTCCCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 112934

QY 791 TCGCTCCTCTCACTCTCTCACTGCATCGCATCCCTCCCTCTCTGCGCCCTCTCCCG 850
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 112935 TCGCCCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 112994
```

```

QY 851 CCTCCTCTCTCTC 864
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 112995 CCTCTCTCCCACTC 113008
```

```

RESULT 6
US-11-112-908-33
; Sequence 33, Application US/11112908
; Publication No. US20050260659A1
; GENERAL INFORMATION:
; APPLICANT: Harris, Cole
; APPLICANT: Davis, Lisa M.
; TITLE OF INVENTION: Breast Cancer Biomarkers
; FILE REFERENCE: 04-164-US
; CURRENT APPLICATION NUMBER: US/11/112,908
; CURRENT FILING DATE: 2005-04-22
; PRIOR APPLICATION NUMBER: US 60/564,758
; PRIOR FILING DATE: 2004-04-23
; PRIOR APPLICATION NUMBER: US 60/575,978
; PRIOR FILING DATE: 2004-06-01
; PRIOR APPLICATION NUMBER: US 60/631,702
; PRIOR FILING DATE: 2004-11-30
; PRIOR APPLICATION NUMBER: US 60/633,826
; NUMBER OF SEQ ID NOS: 511
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 33
; LENGTH: 217623
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-112-908-33
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```

Query Match          2.9%; Score 42.8; DB 7; Length 217623;
Best Local Similarity 56.3%; Pred. No. 7;
Matches 80; Conservative 0; Mismatches 62; Indels 0; Gaps 0;
```

```

QY 181 TATGTAAGATAAGATAAGAAAAATTGGATCATGATGAAGAAAAATATGACCGATGT 240
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 139003 TATTTAAAAAATCAGAAATGATTATTATAGCATAGAAATTTAGAAAAATCTGCCATTAA 139062

QY 241 GGTGAGACATGTTTCGCTTTTATATATAGATCACTGTCCTTTTAAATTAGAAATTT 300
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 139063 ATATGCGAGATTTTAAATTTTAAATTTTAAATTTAACTCAACCTATTTAAATTAATAAAAT 139122

QY 301 TAAATGTTGTTTATTTATA 322
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 139123 TAAATAGTTTGTTGTTTAA 139144
```

```

RESULT 7
US-10-995-561-13390/c
; Sequence 13390, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13390
; LENGTH: 25458
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-995-561-13390
```

```

Query Match          2.8%; Score 42.6; DB 6; Length 25458;
Best Local Similarity 59.5%; Pred. No. 2;
Matches 72; Conservative 0; Mismatches 49; Indels 0; Gaps 0;
```

OY	741	GACGTCCTTATCCACTCGCATCTCTTGATCGGTGCCTACCTCATCCACTCGCTCCTCT	800
Db	12360	GTCGGGCTGTCTCTCCCACTCCCTTTCCATATTCTTCTCTCTCCTCCTCCCT	12301
OY	801	CACCTCTCACTCCATCCACTCGCATCCCCCTGCCCTCTCGCCCTTCCGGCTCCTCCTC	860
Db	12300	CCCTCCTCTCGGCTCCCTCCTCCTCCCCCTCCCTCTTCTCCTCCCCTCCTCCTCCTC	12241
OY	861	C C 861	
Db	12240	C 12240	

RESULT 8
US-11-12

```

; Sequence 54, Application US/11121086
; Publication No. US20050266459A1
; GENERAL INFORMATION:
; APPLICANT: POULSEN, TIM S.
; APPLICANT: NIELSEN, KIRSTEN V.
; TITLE OF INVENTION: NUCLEIC ACID PROBES AND NUCLEIC ACID ANALOG PROBES
; FILE REFERENCE: 09138.6000-00000
; CURRENT APPLICATION NUMBER: US/11/121,086
; PRIOR FILING DATE: 2005-05-04
; PRIOR APPLICATION NUMBER: 60/567,570
; PRIOR FILING DATE: 2004-05-04
; NUMBER OF SEQ ID NOS: 107
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 54
; LENGTH: 189252
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-121-086-54

```

Query Match	2.8%;	Score 42.6;	DB 7;	Length 189252;
Best Local Similarity	58.1%;	Pred. No. 7.2;		
Matches 75;	Conservative	0;	Mismatches 54;	Indels 0;

[illegible]

RESULT 9

```

US-10-995-561-13204
; Sequence 13204, Application US/10995561
; Publication No. US20050272054A1
;
GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; TITLE OF INVENTION: DETECTION AND USES THEREOF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13204
; LENGTH: 321019
;
TYPE: DNA
;
ORGANISM: Homo sapiens
;
FEATURE:
;
NAME/KEY: misc_feature
;
LOCATION: (1)...(321019)
;
OTHER INFORMATION: n = A,T,C or G, or insertion/deletion polymorphism (see Tables 1
;

```

US-10-995-561-13204

Query Match	2.8%;	Score 42.6;	DB 6;	Length 321019;
Best Local Similarity	59.5%;	Pred. No. 10;		
Matches 72; Conservative	0;	Mismatches 49;	Indels 0;	Gaps 0;

QY	741	GACGCTTTATCCACTGGATCTCTTGATGGTGGCTCTACCTCATCCACTGGCTCCCT	800
Db	201803	GTCGGGTGTGTCTCTCCCACTTCCCTTCATATCTCTCTCCCTCCTCCCT	201862
QY	801	CACCTCTCACTCCATCCACTGCGATCCCCCTCCCTCTGCGCCCTTCGCGCTCTCTC	860
Db	201863	CCCTCTCTCTGCGCTCCCTCTCTCTCTCCCTCTCTCTCTCTCTCTCTCTCTCTCTC	201922

QY	861	C	861
Db	201923	C	201923

RESULT 10
US-10-240

```

; Sequence 13, Application US/10240708
; Publication No. US20050282157A1
; GENERAL INFORMATION:
; APPLICANT: OLEK, Alexander
; APPLICANT: PIPENBROCK, Christian
; APPLICANT: BERLIN, Kurt
; TITLE OF INVENTION: Diagnosis of Diseases Associated with DNA Replication
; TITLE OF INVENTION: by Assessing DNA Methylation
; FILE REFERENCE: 5013.1012
; CURRENT APPLICATION NUMBER: US/10/240,708
; CURRENT FILING DATE: 2002-10-03
; PRIOR APPLICATION NUMBER: PCT/EP01/03971
; PRIOR FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: DE 10019058.8
; PRIOR FILING DATE: 2000-04-06
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: DE 10032529.7
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: DE 10043826.1
; PRIOR FILING DATE: 2000-09-01
; NUMBER OF SEQ ID NOS: 98
; SEQ ID NO 13
; LENGTH: 6113
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-240-708-13

```

Query Match

Best Local Similarity	51.6%;	Pred. No. 1.1;							
Matches	96;	Conservative	0;	Mismatches	90;	Indels	0;	Gaps	0;

QY 154 ATCTCTAAACACTACCAATATTTTAAATATGTAAAGATAAAGATAAGAAAAATTGGGAT 213
| | | | | | | | | | | | | | | | | | | | | |
Db 126 ATATGAAAAAATTATTGTATTTTAAATATAATAGTAATAAAGAAATTAGAAATTACGTTTT 185
| | | | | | | | | | | | | | | | | | | | | |
QY 214 CATGATGAAGAAGAAATATGACCGATGTGGTGAGACATGTTTCGCTTTTATTTATATAG 273
| | | | | | | | | | | | | | | | | | | | | |
Db 186 TTTAAAGTATTATTATATAATATAATATAATATATATTTTATAATAAATTAAATAAAA 245
| | | | | | | | | | | | | | | | | | | | | |
QY 274 ATCACTGTCCTTTTATTAATTAGAAATTAAATTTGTTTATTATTATAGAAACCATCAA 333
| | | | | | | | | | | | | | | | | | | | | |
Db 246 TATATTATGATTTTATGTGAAAAATTATAAATTAGTGATAAATTTTAAAAAATGATTTAA 305
| | | | | | | | | | | | | | | | | | | | | |
QY 334 GAAAAA 339
| | | | |
Db 306 GTAAAA 311

RESULT 11

```

US-11-121-086-18/c
; Sequence 18, Application US/11121086
; Publication No. US20050266459A1
; GENERAL INFORMATION:
; APPLICANT: POULSEN, TIM S.
; APPLICANT: NIELSEN, KIRSTEN V.
; TITLE OF INVENTION: NUCLEIC ACID PROBES AND NUCLEIC ACID ANALOG PROBES
; FILE REFERENCE: 09138.6000-00000
; CURRENT APPLICATION NUMBER: US/11/121,086
; CURRENT FILING DATE: 2005-05-04
; PRIOR APPLICATION NUMBER: 60/567,570
; PRIOR FILING DATE: 2004-05-04
; NUMBER OF SEQ ID NOS: 107
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 18
; LENGTH: 175023
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-121-086-18

```

	Query Match	Best Local Similarity	Score	Pred.	No.	Mismatches	Indels	Gaps
QY	743 CGTCCTTATGCACCTGCGATCTTTGATCGGTGGCTTAACCTCATCCACTGGCTCCTCA	59.0%	42;	DB	7;	length	175023;	
Db	123590 CCTCCCTCCCCCTCCCCTCCCATCCGCGCTCCCTCCCTCCTCTCCCTCCCATCCCC	72;	Conservative	0;	Mismatches	50;	Indels	0; Gaps 0;
QY	803 CTCCTCACTCCATCCACTGCGATCCCCCTCCCTCTGCGCCTCTCCGCGCTCCTCCT							862
Db	123530 CTCCCTTCCCTTCCCCCTCCCCCTCCCTCCCTTCCCCCTCCCTCCCTCCCTCCCC							123471
QY	863 TC 864							
Db	123470 TC 123469							

```

RESULT 12
US-11-121-086-44
/ Sequence 44, Application US/11121086
/ Publication No. US20050266459A1
/ GENERAL INFORMATION:
/ APPLICANT: POULSEN, TIM S.
/ APPLICANT: NIELSEN, KIRSTEN V.
/ TITLE OF INVENTION: NUCLEIC ACID PROBES AND NUCLEIC ACID ANALOG PROBES
/ FILE REFERENCE: 09138.6000-00000
/ CURRENT APPLICATION NUMBER: US/11/121,086
/ CURRENT FILING DATE: 2005-05-04
/ PRIOR APPLICATION NUMBER: 60/567,570
/ PRIOR FILING DATE: 2004-05-04
/ NUMBER OF SEQ ID NOS: 107
/ SOFTWARE: PatentIn version 3.3
/ SEQ ID NO 44
/ LENGTH: 167116
/ TYPE: DNA
/ ORGANISM: Homo sapiens
/
US-11-121-086-44

```

[illegible]

RESULT 13
US-11-121-086-1/c

```

; Sequence 1, Application US/11121086
; Publication No. US20050266459A1
; GENERAL INFORMATION:
; APPLICANT: POULSEN, TIM S.
; APPLICANT: NIELSEN, KIRSTEN V.
; TITLE OF INVENTION: NUCLEIC ACID PROBES AND NUCLEIC ACID ANALOG PROBES
; FILE REFERENCE: 09138.6000-00000
; CURRENT APPLICATION NUMBER: US/11/121,086
; PRIOR FILING DATE: 2005-05-04
; PRIOR APPLICATION NUMBER: 60/567,570
; PRIOR FILING DATE: 2004-05-04
; NUMBER OF SEQ ID NOS: 107
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 1
; LENGTH: 126552
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-121-086-1

```

Query Match	2.7%	Score 41	DB 7	Length 126552		
Best Local Similarity	57.4%	Pred. No. 15				
Matches	74	Conservative	0	Mismatches 55	Indels 0	Gaps 0
QY	739	TCGACGTCCTTATCCACTCGCATCTCTTGATCGGTGCTACTACCTCATCCACTCGCTCT	798			
Db	122491	TCCTCCCGCATCTCCCCCTCTCTCCCTCTCTCTCCATCTCCCTCTCTCTCTCT	122432			
QY	799	CTCACTCTCACTCCATCCACTCGATCCCCCTCCCTCTCGCCCTCTCCCGCCTCTCC	858			
Db	122431	CCCCCATCTCTCCCCCTCTCTCTCCCACTCTCTCCATCTCTCTCTCTCTCTCTCTCC	122372			
QY	859	TCCTTCTCC	867			
Db	122371	TCACCTTCC	122363			

```

RESULT 14
US-11-121-086-2/c
; Sequence 2, Application US/11121086
; Publication No. US20050266459A1
; GENERAL INFORMATION:
; APPLICANT: POULSEN, TIM S.
; APPLICANT: NIELSEN, KIRSTEN V.
; TITLE OF INVENTION: NUCLEIC ACID PROBES AND NUCLEIC ACID ANALOG PROBES
; FILE REFERENCE: 09138.6000-0000
; CURRENT APPLICATION NUMBER: US/11/121, 086
; CURRENT FILING DATE: 2005-05-04
; PRIOR APPLICATION NUMBER: 60/567,570
; PRIOR FILING DATE: 2004-05-04
; NUMBER OF SEQ ID NOS: 107
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 2
; LENGTH: 191684
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-121-086-2

```

Query Match	2.7%;	Score 41;	DB 7;	Length 191684;
Best Local Similarity	57.4%;	Pred. No. 19;		
Matches 74; Conservative	0;	Mismatches 55;	Indels 0;	Gaps 0;
QY	739	TCGACGTCCTTATCCACTCGCATCTCTGATCGTGCGCTCTACCTCATCCACTCGCTCCT	798	
Db	27772	TCCTCCCCATCCTCCCCCTTCCTCCCCCTCCTCCTCATCTCCCTTCCTCCTCCTCCT	27713	
QY	799	CTCACTCTCTACTCCATCCACTCGCATCCCCCTCCCCCTCTCGCCCTCTCCCGCCTCTCC	858	
Db	27712	CCCCCATCTCCCCCTTCTCTCCCCACATCTCTCCATTCTCTCTCTCTCTCCCTCTCC	27653	
QY	859	TCCTTCTCC	867	
Db	27652	TCACCCCTCC	27644	

Db 27652 TCACCTCC 27644

